

Washington State Energy Code Proposals: Cost analysis

Log 09-140: Additional Energy Efficiency Requirements—Chapter 9

Provides a mandatory set of HVAC, Envelope, Air Leakage Control, Efficient Water Heating, and Renewable Energy options to select from. Two credits must be picked up, with a one point credit for homes less than 1,500 square feet, and a one credit debit for homes over 5,000 square feet.

Cost To Homebuyer: \$4,000.00 to \$9,340.00

Log 09-135: Direct Induction Fans (Variable Speed DC Motors)

Requires Furnace and space conditioning air handling equipment to have direct induction fans (variable speed DC motors).

Cost To Homebuyer: \$2,650.00 to \$6,540.00

Log 09-141: Envelope Requirements

Requires increased energy efficiency for building envelope components, particularly ceiling insulation, raised heel truss, and windows.

Cost To Homebuyer: \$2,280.00 to \$2,420.00

Log 09-081: Duct Location, Application and Testing

Adds language stating that the installation of ducts in exterior walls, floors, or ceilings shall not displace required envelope insulation, and building cavities may not be used as ducts. And that ducts shall be leak tested in accordance with RS-35 using the maximum duct leakage rates specified in 503.10.3.

Cost To Homebuyer: \$1010.00 to \$1,870.00

Log 09-134: Air Leakage Testing

The claim is that visual inspection of homes for air leakage control is not working. Testing is needed to verify the effectiveness of air leakage control.

Cost To Homebuyer: \$780.00 to \$1,560.00

Log 09-139: High Efficiency Lighting

This proposal requires that 50% of lamps installed in residential units have an efficiency level equivalent to a CFL or better.

Cost to Homebuyer: \$310.00 to \$780.00

Summary Cost to Homebuyer			
Chapter 9	Low Range		High Range
Range	\$4,000.00	To	\$9,340.00+
Envelope	Low Range		High Range
Range	\$2,280.00	To	\$2,420.00
Other Proposals	Low Range		High Range
Range	\$4,750.00	To	\$10,740.00
Total	\$11,030.00	To	\$22,500.00